



Minnesota Ag News – Crop Weather

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Released: August 6, 2012

Issue No: CW-31-12

COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

TOPSOIL MOISTURE SUPPLIES HOLD RELATIVELY STEADY

Welcomed precipitation was received across the state this past week, according to the USDA, NASS, Minnesota Field Office. For the week ending August 5, precipitation amounts averaged from 1.6 inches in south east areas to .71 inch in central areas. Topsoil moisture supplies were rated 15 percent very short, 35 percent short, 48 percent adequate, and 2 percent surplus, holding relatively steady from the previous week. Statewide, 5.8 days were rated suitable for fieldwork.

Producers made significant small grain harvest progress despite the rain. Spring wheat harvest was 80 percent complete, compared to 4 percent last year and 14 percent for the five-year average. Oats harvested were 87 percent complete, compared to 18 percent last year and 38 percent average. Barley harvest was nearly complete at 95 percent, compared to 6 percent last year and 22 percent average.

Corn was 84 percent at the milk stage or beyond, compared to 38 percent average. Corn was 40 percent at the dough stage or beyond, compared to 8 percent average. Five percent of corn was at the dent stage, compared to 0 percent average. Soybeans were 98 percent blooming, compared to 89 percent average and 83 percent setting pods, compared to 53 percent average. The corn crop was rated 76 percent in fair to good condition, while soybeans were rated 80 percent in fair to good condition. Both corn and soybean condition ratings were relatively unchanged from the previous week.

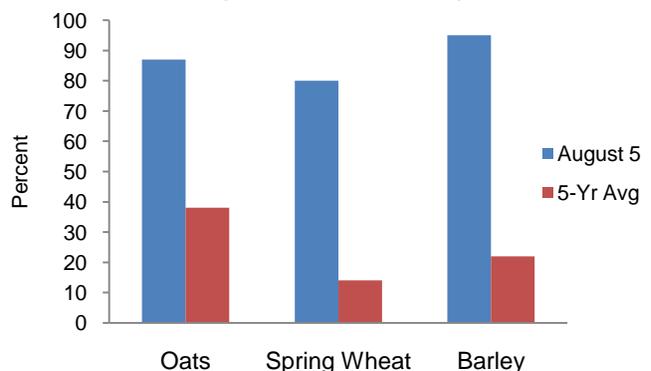
Other harvest progress included sweet corn at 30 percent complete, potatoes at 7 percent complete, and canola at 5 percent complete. Corn harvested for silage was underway at 2 percent complete. Range and pasture condition was rated 17 percent very poor, 21 percent poor, 27 percent fair, 31 percent good, and 4 percent excellent.

Days Suitable for Fieldwork: 5.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	15	35	48	2

Crop Progress as of August 5, 2012					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Oats	Harvested	87	67	18	38
Spring Wheat	Harvested	80	52	4	14
Barley	Harvested	95	75	6	22
Corn	Milk	84	56	33	38
Corn	Dough	40	11	6	8
Corn	Dent	5	0	0	0
Corn Silage	Harvested	2	NA	0	0
Soybeans	Blooming	98	94	83	89
Soybeans	Setting Pods	83	67	41	53
Sweet Corn	Harvested	30	17	14	15
Potatoes	Harvested	7	3	4	6
Canola	Harvested	5	1	3	2
Dry Beans	Setting Pods	91	78	40	NA
Dry Beans	Fully Podded	53	15	1	NA
Dry Beans	Leaves Yellowing	5	NA	0	NA

Condition as of August 5, 2012					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	17	21	27	31	4
Sugarbeets	1	3	22	62	12
Sunflowers	0	1	22	63	14
Corn	5	11	32	44	8
Soybeans	3	10	31	49	7
Potatoes	0	1	13	55	31
Canola	0	0	38	39	23
Dry Beans	2	5	29	54	10

Small Grain Harvest:
August 5 vs. 5-Yr Avg.



The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

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PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 5, 2012:
 Temperatures averaged from 0.2 degrees above normal in the North Central District to 3.7 degrees above normal in the East Central District.
 Extremes: 44 degrees in Warroad; 102 degrees in Canby. Average precipitation ranged from 0.22 inch below normal in the East Central District to 0.68 inches above normal in the Southwest District. Greatest weekly total of 2.31 inches was recorded in Preston.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/30/2012 through 8/5/2012

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since Apr 30	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	89	48	71.4	1.8	1.18	.47	.22	-2.38	1744	313
Itasca	88	48	70.9	3.7	1.78	1.02	1.53	.90	1334m	99m
Moorhead	87	46	71.8	.3	.02	-.54	.24	-1.73	1882	318
Warroad	87	44	67.6	.2	1.29	.54	2.02	1.14	1386	131
<u>NC DIST 2</u>										
Grand Rapids	87	49	69.0	.5	1.57	.73	1.23	11.34	1550	211
Intl. Falls	84	48	65.3	-.2	.94	.25	2.36	.62	1393	238
<u>NE DIST 3</u>										
Duluth	87	52	69.8	3.5	.72	-.08	-.38	9.85	1488	355
Grand Marais	83	52	68.8	4.8	.70	.08	1.28	3.38	1049	236
Hibbing	83	48	65.8	1.2	1.50	.69	-.43	6.27	1350	291
<u>WC DIST 4</u>										
Alexandria	88	51	72.0	1.2	.40	-.37	.62	3.72	1781	273
Breckenridge	89	51	72.8	1.9	1.00	.28	-.31	.12	1783	237
Browns Valley	90	49	72.2	.8	.31	-.39	.31	-1.39	1777	217
Canby	102	53	75.6	2.9	1.03	.39	-1.76	-.81	1945	276
Montevideo	96	52	73.8	2.2	.75	-.00	-2.14	2.29	1905	290
Morris	88	51	72.1	1.8	.77	-.03	-.70	-1.99	1798	257
Wheaton	88	53	72.6	.8	.92	.30	1.54	1.42	1808	216
<u>CENT DIST 5</u>										
Becker	91	54	74.5	3.5	.81	-.10	.24	6.20	1892	298
Collegeville	91	53	74.6	2.2	.58	-.24	-.36	4.53	1909	240
Hutchinson	93	54	74.8	3.2	.81	-.09	-1.02	6.42	1939	289
Melrose	88	53	72.8	3.1	.60	-.22	1.61	4.40	1791	304
Olivia	93	51	73.8	2.8	.75	.00	-.87	.65	1905	290
St. Cloud	93	53	73.5	3.3	.60	-.17	.45	4.35	1852	343
Wadena	86	48	70.1	2.3	.74	.01	1.27	7.55	1579	257
Willmar	90	53	73.2	1.5	.79	-.07	-1.14	1.09	1853	202
<u>EC DIST 6</u>										
Aitkin	85m	62m	73.5m	6.0m	.96	.18	.21	15.15	1606m	309m
Forest Lake	92	54	75.0	3.1	.92	.00	1.62	7.41	1887	261
MSP Airport	92	57	76.3	2.7	.40	-.56	1.04	6.27	2083	337
Mora	90	52	72.2	2.9	.26	-.60	-.42	7.36	1712	279
St. Paul - UofM	91	56	75.6	3.7	.80	-.12	.61	3.91	1952	326
<u>SW DIST 7</u>										
Lamberton	95	53	74.2	2.9	2.11	1.30	-.43	2.38	1969	305
Marshall	98	53	75.8	3.4	1.53	.75	-.15	1.14	2041	360
Pipestone	97	47	74.3	2.8	.80	.12	-1.64	4.67	1858	267
Redwood Falls	96	54	75.2	2.9	1.67	.86	-1.11	2.65	2022	311
Worthington	95	54	73.8	2.7	1.92	1.13	-.82	-.42	1934	316
<u>SC DIST 8</u>										
North Mankato	92	60	77.0	4.9	.83	-.11	-1.89	-3.67	1950	276
Owatonna	90	55	74.0	2.3	.88	-.20	-1.22	4.08	1976	329
Waseca	90	56	74.0	2.2	.98	-.07	-1.07	-1.41	1938	251
Winnebago	93	56	75.0	3.0	.97	.00	-1.38	.48	2016	322
<u>SE DIST 9</u>										
Cannon Falls	M	M	M	M	.05m	-.99m	.03m	13.17m	1302m	-282m
Preston	92	55	72.2	1.2	2.31	1.29	.92	-3.46	1906	345
Red Wing	91	61	74.9	2.6	1.45	.54	1.31	9.76	1991	325
Rochester	90	55	72.7	1.5	1.42	.39	.60	-1.41	1976	348
Rosemount	89	56	73.6	2.2	.44m	-.62m	.50m	4.50m	1932	317
Winona Dam	93	62	74.4	2.3	1.03	.04	-.85	-3.02	1967	345

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

WEEKLY NEWS REPORT
 Minnesota Crop-Weather Report
 Publication No. 387190
 Address Service Requested

USDA, NASS, Minnesota Field Office
 PO Box 7068, ST. PAUL MN 55107

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